

Practitioner's Docket No. 57459/03-379

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Marvin L. STONE, et al.
For: Optical Spectral Reflectance Sensor and Controller

Application No.: 10/606,563
Filed: June 26, 2003
Confirmation No.: 4700
Customer No.: 22206

Group No.: 2878
Examiner: Unknown

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
WITHIN THREE MONTHS OF FILING OR
BEFORE MAILING OF FIRST OFFICE ACTION (37 C.F.R. § 1.97(b))

IDENTIFICATION OF TIME OF FILING THE ACCOMPANYING
INFORMATION DISCLOSURE STATEMENT

The information disclosure statement submitted herewith is being filed within three months of the filing date of the application or date of entry into the national stage of an international application or before the mailing date of a first Office action on the merits, whichever event occurs last. 37 C.F.R. § 1.97(b).

CERTIFICATION UNDER 37 C.F.R. §§ 1.8(a) and 1.10*
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☒ facsimile transmitted to the Patent and Trademark Office, (703) 872-9306.

Nancy J. Moore
Signature

Date: December 1, 2003

Nancy J. Moore

(type or print name of person certifying)

* Only the date of filing (§ 1.6) will be the date used in a patent term adjustment calculation, although the date on any certificate of mailing or transmission under § 1.8 continues to be taken into account in determining timeliness. See § 1.703(f). Consider "Express Mail Post Office to Addressee" (§ 1.10) or facsimile transmission (§ 1.6(d)) for the reply to be accorded the earliest possible filing date for patent term adjustment calculations.

Transmittal of Information Disclosure Statement Within Three Months of Filing or Before Mailing of First Office Action—page 1 of 2

Date:

12/1/03

Reg. No.: 36,050
Tel. No.: 918.599.0621
Customer No.: 22206

236258.1



Signature of Practitioner

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Practitioner's Docket No. 57459/03-379

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Marvin L. STONE, et al.,
For: Optical Spectral Reflectance Sensor and Controller

Application No.: 10/606,563
Filed: 06/26/2003
Confirmation No.: 4700
Customer No.: 22206

Group No.: 2878
Examiner: Unknown

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

List of Sections Forming Part of This Information Disclosure Statement

The following sections are being submitted for this Information Disclosure Statement:

1. Preliminary Statements
2. Forms PTO/SB/08A and 08B (formerly Form PTO-1449)
3. Identification of Prior Application in Which Listed Information Was Already Cited and for Which No Copies Are Submitted or Need Be Submitted
4. Identification of Person(s) Making This Information Disclosure Statement

CERTIFICATION UNDER 37 C.F.R. §§ 1.8(a) and 1.10*

(When using Express Mail, the Express Mail label number is mandatory;
Express Mail certification is optional.)

I hereby certify that, on the date shown below, this correspondence is being:

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Information Disclosure Statement—page 1 of 2

Section 1. Preliminary statements

Applicants submit herewith patents, publications or other information, of which they are aware that they believe may be material to the examination of this application, and in respect of which, there may be a duty to disclose.

The filing of this information disclosure statement shall not be construed as a representation that a search has been made (37 C.F.R. § 1.97(g)), an admission that the information cited is, or is considered to be, material to patentability, or that no other material information exists.

The filing of this information disclosure statement shall not be construed as an admission against interest in any manner. Notice of January 9, 1992, 1135 O.G. 13-25, at 25.

Section 2. Forms PTO/SB/08A and 08B (formerly Form PTO-1449)

Attached.

Section 3. Identification of Prior Application in Which Listed Information Was Already Cited and for Which No Copies Are Submitted or Need Be Submitted

This application relies, under 35 U.S.C. § 120, on the earlier filing date of prior application S.N.: 09/912,077, filed on July 24, 2001, now U.S. Patent No. 6,596,996 B1, issued July 22, 2003.

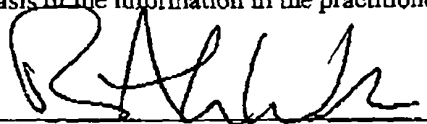
The following references were submitted to, and/or cited by, the Office in the prior application and, therefore, are not required to be provided in this application: References are listed on PTO/SB08A and 08B as noted in Section 2 herein.

Section 4. Identification of Person Making This Information Disclosure Statement

The person making this certification is:

- a. the practitioner who signs below on the basis of the information in the practitioner's file.

Date: 12/1/03


Signature of Practitioner

Reg. No.: 36,050
Tel. No.: 918.599.0621
Customer No.: 22206

R. Alan Weeks
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Information Disclosure Statement—page 2 of 2

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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 2

Complete if Known

Application Number	10/606,563
Filing Date	06/26/2003
First Named Inventor	Marvin L. STONE, et al.
Art Unit	2878
Examiner Name	Unknown
Attorney Docket Number	57459/03-379

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A	US- 3,910,701 B1	10/07/1975	Henderson et al.	
	B	US- 5,144,767 B1	09/08/1992	McCloy et al.	
	C	US- 5,222,324 B1	06/29/1993	O'Neill et al.	
	D	US- 5,296,702 B1	03/22/1994	Beck et al.	
	E	US- 5,389,781 B1	02/14/1995	Beck et al.	
	F	US- 5,507,115 B1	04/16/1996	Nelson	
	G	US- 5,555,464 B1	09/10/1996	Hatlestad	
	H	US- 5,585,626 B1	12/17/1996	Beck et al.	
	I	US- 5,606,821 B1	03/04/1997	Sadjadi et al.	
	J	US- 5,621,460 B1	04/15/1997	Hatlestad et al.	
	K	US- 5,661,187 B1	08/26/1997	Hatlestad et al.	
	L	US- 5,763,873 B1	06/09/1998	Beck et al.	
	M	US- 5,764,819 B1	06/09/1998	Orr et al.	
	N	US- 5,768,823 B1	06/23/1998	Nelson	
	O	US- 5,789,741 B1	08/04/1998	Kinter et al.	
	P	US- 5,793,035 B1	08/11/1998	Beck et al.	
	Q	US- 5,809,440 B1	09/15/1998	Beck et al.	
	R	US- 5,833,144 B1	11/10/1998	Kinter	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.15 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/08a (08-03)

Approved for use through 07/31/2003. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 2 of 2

Complete if Known

Application Number	10/606,563
Filing Date	06/26/2003
First Named Inventor	Marvin L. STONE
Art Unit	2878
Examiner Name	Unknown
Attorney Docket Number	57459/03-379

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)				
	S	US-	5,837,997 B1	11/17/1998	Beck et al.	
	T	US-	5,878,356 B1	03/02/1999	Garrot, Jr. et al.	
	U	US-	5,999,650 B1	12/07/1999	Ligon	
	V	US-	6,062,496 B1	05/16/2000	Kinter	
	W	US-	6,160,902 B1	12/12/2000	Dickson et al.	
	X	US-	6,178,253 B1	01/23/2001	Hendrickson et al.	
	Y	US-	6,212,824 B1	04/10/2001	Orr et al.	
	Z	US-	6,366,681 B1	04/02/2002	Hutchins	
	AA	US-	6,393,927 B1	05/28/2002	Biggs et al.	
	AB	US-	6,444,975 B1	09/03/2002	Reusch	
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FOREIGN PATENT DOCUMENTS

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		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				

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Substitute for form 1449B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	10/606,563
		Filing Date	06/26/2003
		First Named Inventor	Marvin L. STONE, et al.
		Art Unit	2878
		Examiner Name	Unknown
		Attorney Docket Number	57459/03-379
Sheet	1	of	1

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	CA	PATCHEN WEED SEEKER PHD 1620 Brochure, Undated.	
	CB	PATCHEN WEED SEEKER PHD 600 Brochure, Undated.	
	CC	J.B. WILKERSON; RUDXIU SIU; W.E. HART; D.E. HOWARD, "Development of a Variable-Rate Nitrogen Applicator Based on Spectral Reflectance Characteristics of Cotton Plants," 1998 Proceedings Beltwide Cotton Conferences, p. 439-443, (January, 1998).	
	CD	RUDXIU SIU; J.B. WILKERSON; W.E. HART; D.D. HOWARD, "Integration of Neural Networks With a Spectral Reflectance Sensor to Detect Nitrogen Deficiency in Cotton," ASAE Annual International Meeting, Orlando, FL (July, 1998).	

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 608. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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